

Appln No. 10/666,205
Amdt date December 20, 2006
Reply to Office action of June 20, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please cancel claims 1-15 and 37-42 and add new claims 45-50.

1-44 (Cancelled)

45. (New) An isolated polypeptide having alcohol dehydrogenase activity, containing within its total sequence the amino acid sequence of SEQ ID No. 48, or a sequence with up to about 5% of the amino acids in the sequence of SEQ ID No. 48 replaced by different amino acids.

46. (New) A DNA sequence encoding the polypeptide of Claim 45.

47. (New) An isolated polypeptide having alcohol dehydrogenase activity, containing within its total sequence the partial amino acid sequences of EVGADAAR (SEQ ID No. 1) or TD(L/I)FEVVA(L/I)AR (SEQ ID No. 2) or SGAGAADA9L/I)R (SEQ ID No. 3) or V(L/I)AVD(L/I)DDDE (SEQ ID No. 4) or V(L/I)AVD(L/I)DDDXRX (SEQ ID No. 5) or (TD/DT)(L/I)MEVVA(L/I)AR (SEQ ID No. 6), wherein (L/I) is either leucine or isoleucine and (TD/DT) is either threonine-aspartic acid or aspartic acid-threonine.

48. (New) A DNA sequence encoding the polypeptide of Claim 47.

49. (New) An isolated polypeptide of having alcohol dehydrogenase activity, containing within its total sequence the amino acid sequence of SEQ ID No. 48.

50. (New) A DNA sequence encoding the polypeptide of Claim 49.